

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 11300756
PUBLICATION DATE : 02-11-99

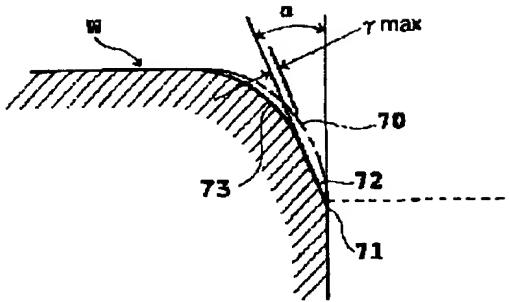
APPLICATION DATE : 21-04-98
APPLICATION NUMBER : 10111110

APPLICANT : CANON INC;

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INT.CL. : B29C 33/38 B29C 33/44 B29C 45/26

TITLE : MOLDING PART DESIGN DEVICE AND
MOLDING PART DESIGN METHOD



ABSTRACT : PROBLEM TO BE SOLVED: To realize a more efficient part design and prevent troubles from developing in a mold by a method wherein the shape of a fillet is corrected into a shape, which satisfies the standard amount of a draft angle, when the calculated amount of draft angle does not satisfy a predetermined standard amount of the draft angle.

SOLUTION: As the correcting method of the shape of a fillet, either a method for adding an inclined surface having the standard draft angle (α) or a method for changing the radius of a fillet arc so as to obtain a fillet having a draft angle more than or equal to the standard draft angle (α) is selected. As an instance of the fillet shape correcting method by adding the inclined surface having the standard draft angle (α), an inclined surface 72, which is inclined at the standard draft angle (α) through a parting line 71, is added and, in addition, an original fillet shown by a one-dot chain line is corrected so as to re-produce a fillet 73, which has the same radius of the fillet arc as that of the original fillet and connects to the inclined surface 72. The maximum amount of change between the original fillet 70 and the re-produced fillet 73 is shown in γ_{\max} .

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